Carrera® EVOLUTION

Carrera® 2.4 GHz WIRELESS+

25195 FORMULA ENGINES

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TR	Montaj ve işletme kılavuzu
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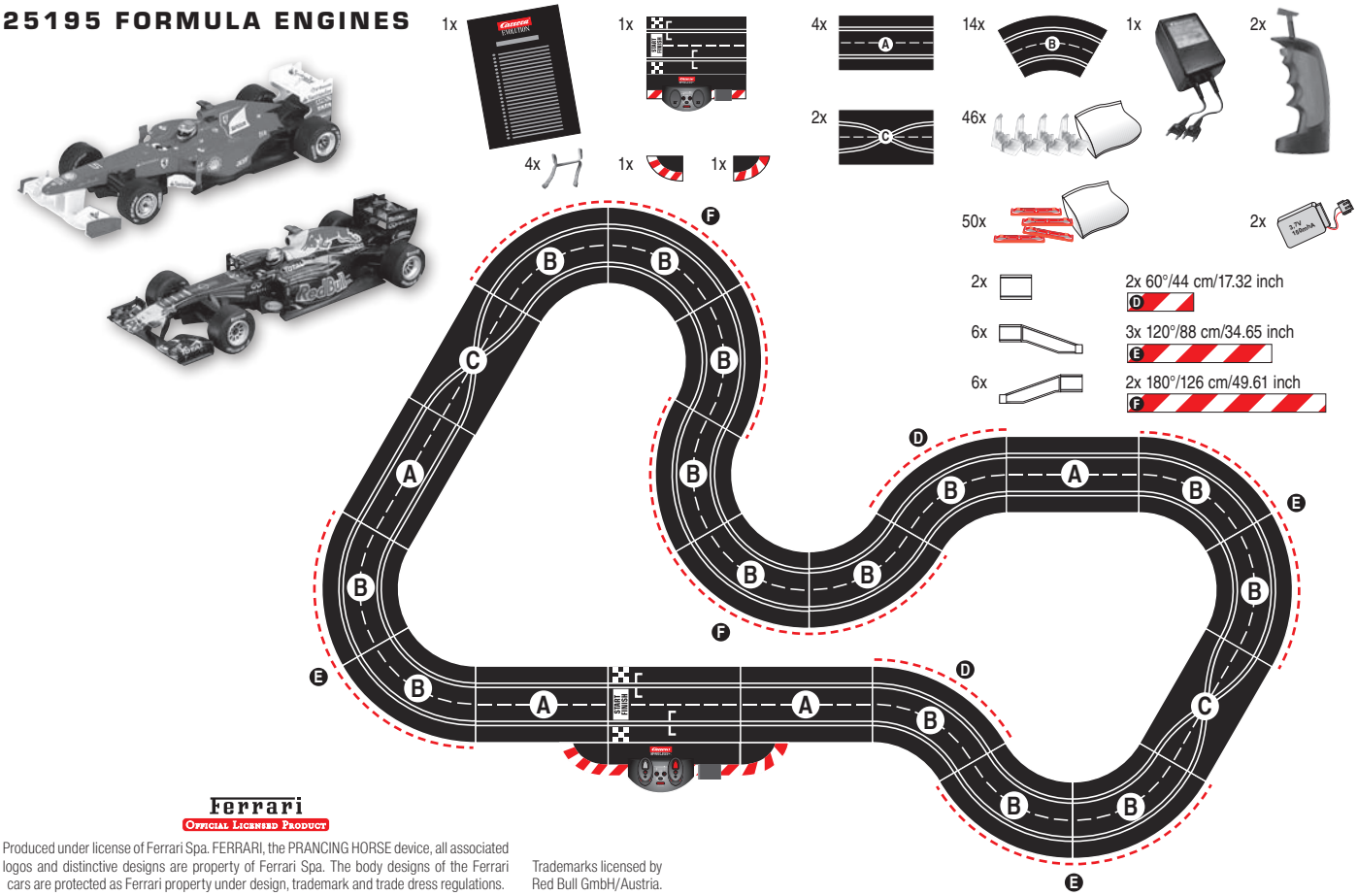
Verpackungsinhalt · Contents of package · Contenu du carton · Contenido de la caja · Conteúdo da embalagem · Contenuto della confezione · Verpakkingsinhoud · Innehållet i förpackningen · Pakkauksen sisältö · Innholdet i pakningen · A csomag tartalma · Zawartość opakowania · Obsah balenia · Obsah balení · Съдържание на опаковката · Περιεχόμενα συσκευασίας · Conținutul ambalajului · Emballageindhold · 包装内容 · 梱包内容 · 포장내용물 · محتويات الغلاف · Ambalaj içeriği · Содержимое картона

25195 FORMULA ENGINES



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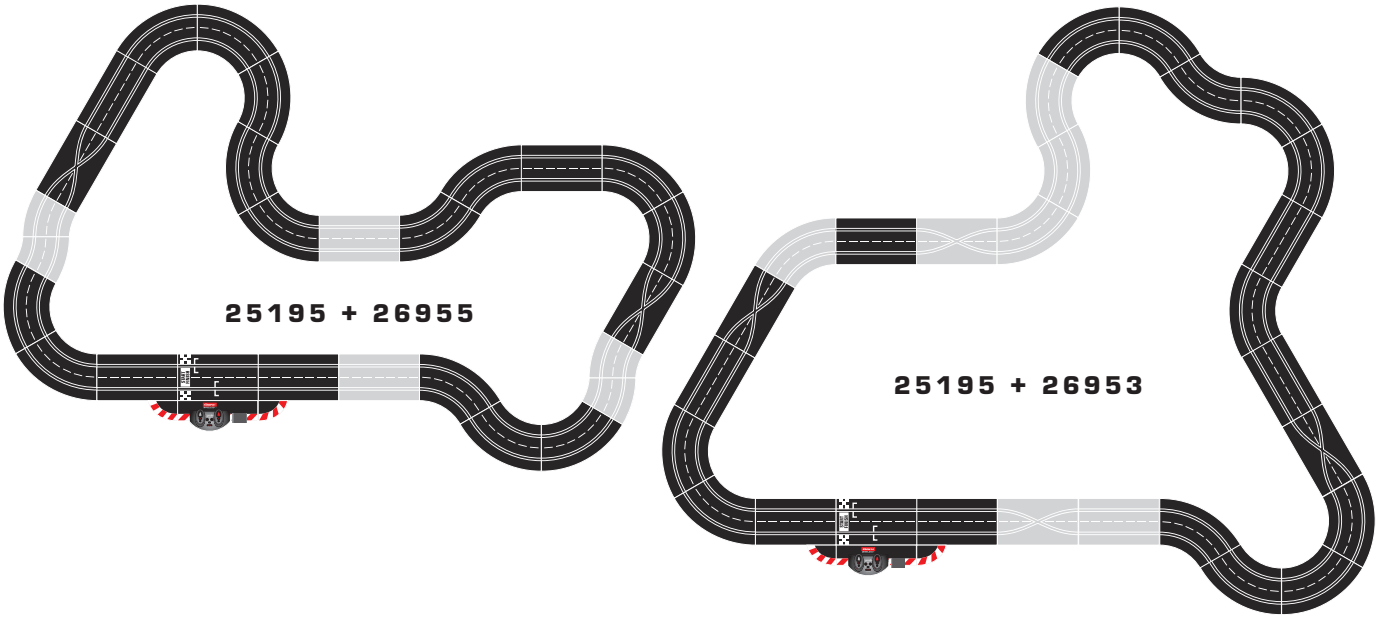

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Welcome

Welcome to the Team Carrera!
These operating instructions contain important information regarding the assembly and operation of your Evolution racetrack. Please read them carefully and keep them in a safe place afterwards.
If you have any queries, please do not hasitate to contact our distributor or visit our websites:
carrera-toys.com

Please check the contents for completeness and possible transport damage. The packaging contains important information and should also be retained.

We hope you will derive a lot of pleasure from your new Carrera Evolution track.

Safety instructions

• **WARNING!** Not suitable for children under 36 months. Danger of suffocation due to small parts which may be swallowed. Caution: risk of pinching caused by function.

• **WARNING!**
This toy contains magnets or magnetic components. Magnets attracting each other or a metallic object inside the human body may cause serious or fatal injuries. Seek medical attention immediately if magnets are swallowed or inhaled.

• **WARNING!**
Only allow children at least 8 years old to use the battery charger. Sufficient instruction must be given to enable the child to use the battery charger in a safe way and explain that it is not a toy and must not be played with.

• The transformer is not a toy! Do not short-circuit the transformer's connections! Note to parents: Regularly inspect the transformer for damage to the cable, plug or housing! Only operate the toy with recommended transformers! The transformer may no longer be used if it is damaged! Only operate the racetrack with a transformer! If play is interrupted for longer periods, it is recommended to separate the transformer from the power supply. Do not open transformer or speed controller housings!

Important note to parents:
Transformers and power supply units are not suitable to be used as toys. The use of such products needs to be constantly supervised by the parents.

• Regularly check the track, cars and charger for damage to cables, plugs and housings! Replace defective parts.

• The car racetrack is not suitable for outdoor operation or operation in wet locations! Keep away from liquids.

• Do not place any metal parts onto the track to avoid short-circuits. Do not place the track in the immediate vicinity of delicate objects, as these could be damaged by cars hurled from the track.

• Pull the plug before cleaning the racetrack! Only use a damp cloth for cleaning, no solvents or chemicals. When it is not in use, store the track in a dry and dust-protected location, preferably in the original cardboard box.

• Do not operate race track at face- or eye-level – risk of injury due to cars being catapulted off the track.

• Misuse of transformer can cause electrical shock.

• The toy is only to be connected to Class II equipment bearing the following symbol.

• The toy and the charger must only be used with a transformer designed for toys.

• If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similary qualified persons in order to avoid danger.

Note:
The vehicle may only be operated again in a completely assembled condition. Assembly may only be carried out by an adult.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
Instruct the child not to try and recharge non-rechargeable batteries because of the danger of explosion.

Declaration of Conformity

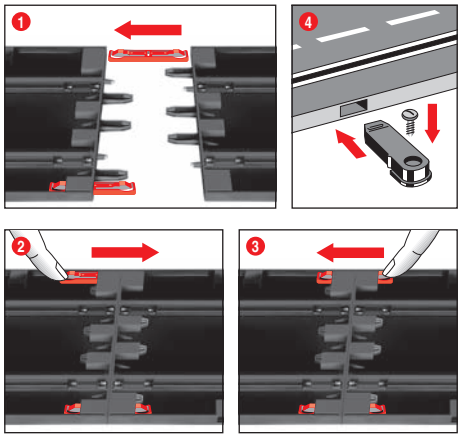
The company Stadlbauer Marketing + Vertrieb GmbH, hereby confirms that the product „2.4 GHz WIRELESS+" complies with the fundamental requirements of Guideline 1999/5/EC (R&TTE).
The Declaration of Conformity can be called up from the following address: carrera-toys.com

Contents of package

1 Ferrari 150° Italia "Fernando Alonso, No.5"
1 Red Bull Racing RB7 "Sebastian Vettel, No.1"
2 2,4 GHz WIRELESS+ speed controllers
1 2,4 GHz WIRELESS+ connecting section
4 Standard straights
14 Curves 1/60°
2 Lane change sections
2 LiPo rechargeable batteries for speed controllers
2 Shoulder end sections (left and right)
1 Transformer
Guardrails
Replacement contacts
Accessories
Instructions

Dimensions when assembled: 260 x 170 cm / 8.53 x 5.57 ft.
Track length: 7 m / 22.94 ft.

Assembly instructions

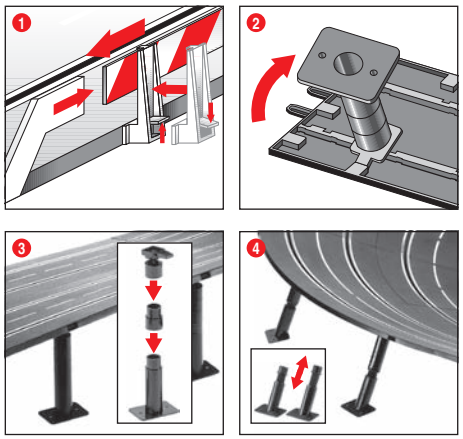


1 + 2 + 3 Before assembling please insert the connecting clips in the track as shown in figure 1. Stick tracks together on a flat base. Move the connecting clips according to figure 2 in direction of the arrow until they audibly snap in. The connecting clip may also be inserted later. The connecting clips can be removed into both directions by simply pressing down the clamped nose (see fig. 3).

4 **Fastening:** To fasten the track sections on a board, it is necessary to use the track section fasteners (Item no. 85209, not contained in the package).

Note:
Carpeting is not a suitable foundation on which to build the track because of static charging, formation of fluff and ready inflammability.

Guard Rails and Supports



1 **Guard rails:** Guard rail mounts are fitted by tilting them upwards onto the verge of the track.

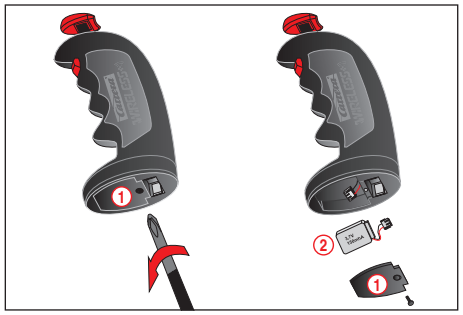
2 + 3 **Supporting raised sections:** The shank of the ball pivot is to be inserted into the square slots provided on the underside of the track. The supports can be made higher by using the extensions. The pedestal of the supports can be screwed to a base if required (screws not included).

4 **Supporting steep curves:**
Slanting supports of the right height are provided to support steep curves. Fix the nonadjustable supports at the beginning and end of the curves. Insert the heads of the supports in the round slots of the underside of the track.

Before first use

Before first using the speed controller, the rechargeable battery supplied (2) must be inserted in the controller. Unscrew the battery compartment (1) on the underside of the speed controller.
Connect the battery plug into the socket in the speed controller and put the battery in place in the compartment. Finally screw down the cover of the battery compartment again.

The batteries are precharged at the factory; they should however be topped up completely before they are first used.



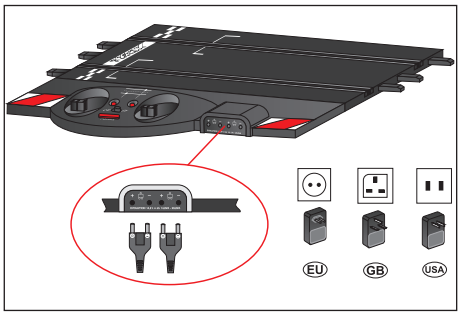
Care of the battery

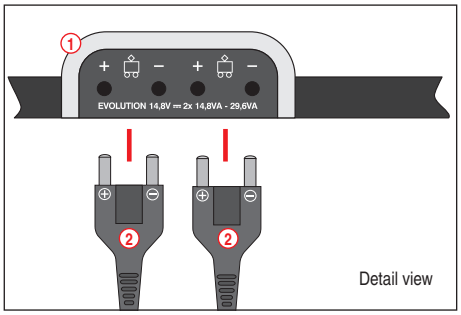
To make sure the battery performs well for as long as possible, the following points should be observed regarding its care and storage.

• Before first using them, new batteries should always be charged fully.
• With a fully-charged battery, continuous play is possible for up to eight hours. When the battery power is falling off, range of the speed controller will diminish. As soon as you notice this, the battery should be fully recharged.
• If it is not to be used for an extended period, remove the battery and store the controller at room temperature (16-18 °C) in a dry place. To prevent a deep discharge of the battery, the stored battery should be charged every 2 to 3 months.
After disconnecting the battery, you must bond the hand controller to the connector track once again.

GB USA

Electrical connection



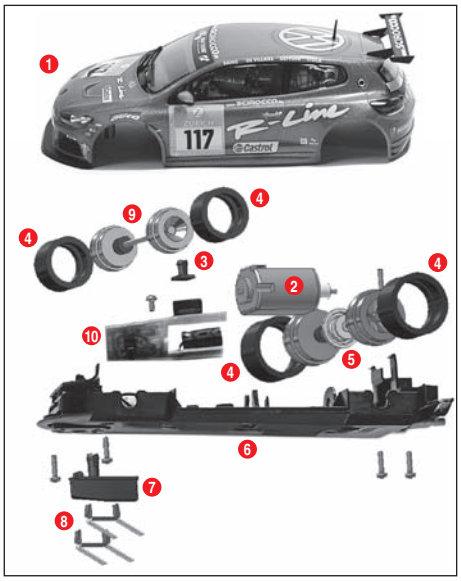


Connect the two plugs (2) on the transformer with the connection sockets (1) on the connector track, **taking care not to reverse the polarity of the plugs and sockets!**

Advice: The toy must not be connected to extraneous electrical equipment, plugs, cables or other objects: short-circuits and power surges can thus be avoided. The Carrera Evolution racing track only functions faultlessly with the original Carrera Evolution transformer.

In the event of a short-circuit or an overload, the connector track switches off for about 5 seconds and both LEDs start to flash.

Car components



1. Body, spoiler
2. Engine
3. LED cover
4. Tyres
5. Rear axle
6. Chassis
7. Guide keel
8. Double sliding contact
9. Front axle
10. Car board with reversing switch

Vehicle construction depends on the model.

The designation of the individual parts may not be used as order numbers.

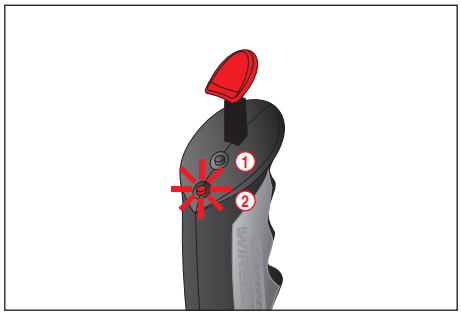
Binding process

To permit the hand controllers to control the cars, they must once be 'bonded' to the connector track. To do this, switch on the racetrack. Both control LEDs on the connector track now light continuously.

1
To bond the first controller, press **once** on the button "Lane choice" (1). The left LED now lights continuously. Now press the "Bonding button" (2) of the first hand controller. If bonding is successful, both LEDs will then light continuously. The controller is now bonded to the connector track and controls the car on the front lane.

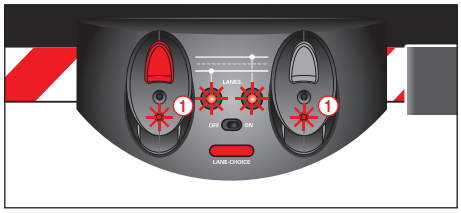
2
To bond the second controller, press **twice** on the button "Lane choice" (1). The right LED now lights continuously. Now press the "Bonding button" (2) of the second hand controller. If bonding is successful, both LEDs will then light continuously. The controller is now bonded to the connector track and controls the car on the rear lane.

To display the address set for the speed controller, press once on the binding button (1) on the top of the speed controller. The LED (2) will then flash, according to the address set.

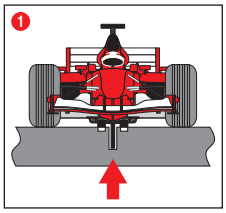


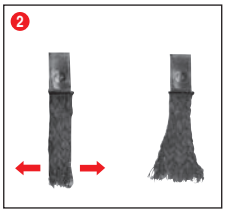
Preparation of start

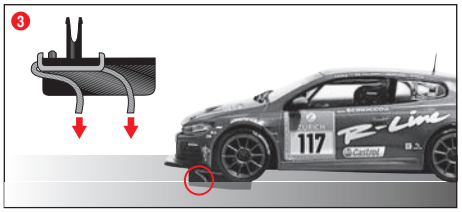
Before using them for the first time, the 2.4 GHz Wireless+ hand controllers should be fully charged. To do this, put the controllers in the charger and switch on the track. While charging is in progress, the LED's (1) on the hand controllers will flash. When charging is complete, the LEDs (1) light continuously. By employing a lithium-polymer battery, the hand controllers can be topped up at any time.



If the speed controller is not actuated, it switches automatically after about 30 seconds into energy-saving mode. The speed controller can be reactivated by pressing the tappet or the lane-change button.





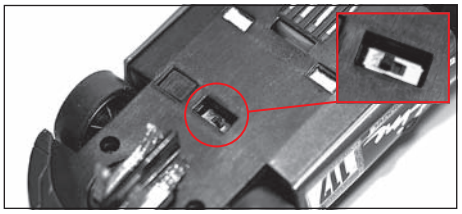


This Carrera Evolution vehicle ideally matches the Carrera track system scale 1:24.

1 Make sure that the car's guide keel is located inside the track slot and that the double sliding contact is in contact with the current carrying track. Place the cars onto the connecting track.

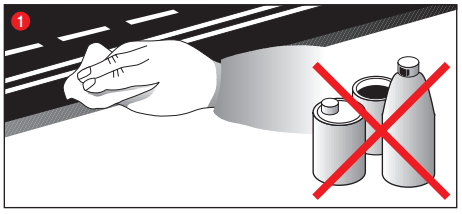
2 + 3 **Optimally setting up the grinders:**
To ensure proper and continuous driving, slightly fan out the ends of the contact brushes 2 and bend them towards the track as per fig. 3. Only the end of the contact brush should have contact to the track and may be cut off slightly in case of wear. Dust and abrasion should be removed from track material and sliding contacts from time to time.
During operation small car parts as spoilers or mirrors may get off or brake due to being original detailed parts of the car model. To avoid this it is possible to remove them before operation.

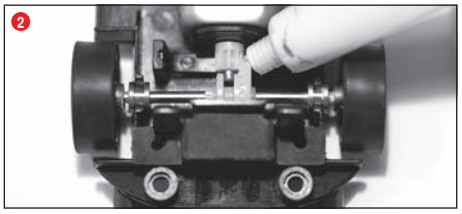
Change of running direction



This is necessary and/or possible in case the running direction shall be changed. Therefore the reversing switch at the car's bottom side has to be positioned accordingly.

Maintenance and care



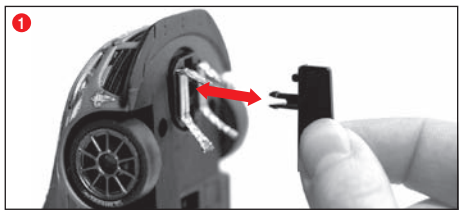


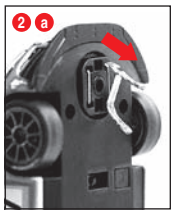
To ensure a proper operation of the motor-racing circuit, all race-track components should be regularly cleaned. Pull the plug prior to cleaning.

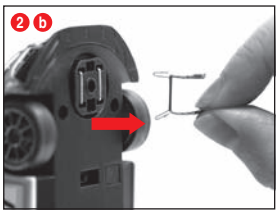
1 **Racetrack:** Keep the track surface and track slots clean with a dry cloth. Do not use any solvents or chemicals for cleaning. When it is not in use, store the racetrack in a clean and dust-protected location, preferably in the original cardboard box.

2 **Car check:** Clean axle and wheel bearings, pinion gears, gear-wheels and bearings and lubricate using a resin- and acid-free grease. You can use a toothpick or similar as aid. Regularly check the condition of sliding contacts and tyres.

Replacement of double sliding contact and guide keel



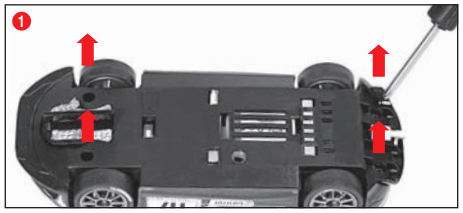


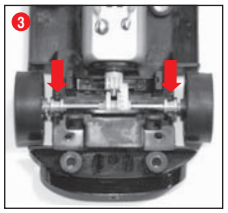


Advice:
• It is recommended to always take out and change only one grinder.
• Never pull the vehicle backwards, because the grinders could be damaged otherwise.
1 Please carefully pull out the guide keel according to fig. 1.

2 When changing the double contact brushes please take care that in stage one the upper contact brush 2 a is only pulled out partly and that in stage two the double contact brush can be pulled out completely with the contact brush 2 b. For inserting please proceed the same way.

Changing the rear axle





Take off the vehicle´s upper part from the chassis as per fig. 1. Remove the axles from the bearings positions with pressure (2). Insert new axle. Pay attention to the correct position of the axle bearings (3).

Troubleshooting

In case of any malfunctions, please check the following:

• Is the connector track properly connected in the running direction?
• Are the power pack plugs inserted the right way round?
• Is the battery fully charged?
• Does the LED on the controller flash while charging?
• Is the speed controller bound to the receiver?
• Is the hand controller bonded to the connector track?
• Has the speed controller got a duplicate address assignment?
• Is the connector track in stand-by mode?

Note:
During operation small car parts as spoilers or mirrors may get off or brake due to being original detailed parts of the car model. To avoid this it is possible to remove them before operation.

All Carrera spare parts are available in the webshop:
carrera-toys.com
Delivery exclusively to Germany, Austria, Netherlands, Belgium and Luxembourg.

Technical specifications

GB

Output voltage: Toy transformer

14,8 V ⎓ 2 x 14,8 VA (Carrera EVOLUTION)

lithium polymer rechargeable battery:
3,7 ⎓ 150mAh · 0,55 Wh

Maximum charging time: 2 hours

Electricity modes:
1.) Operating mode = cars are operated via speed controllers
2.) Idle mode/Stand-by mode = speed controllers not activated, no game
CURRENT CONSUMPTION < 0,5 watt/0,5W
3.) Stand-by mode = after approx. 20 minutes idle mode the connecting section switches to stand-by mode.
The LED is not lit any more.
CURRENT CONSUMPTION < 0,5 watt/0,5W
By switching the connection track off and then on again the stand-by modus is terminated and the track is once again in 'sleep' mode.
4.) To switch off = power supply unit disconnected from mains supply

CE 0197 0-3

LiPo

This device is marked by "selective sort throught" symbol related to sort through domestic, electric and electronic, waste. This means the product must be treated by a specialized "sorting/collecting" system in accordance with European directive 2002/96/CE, to reduce the impact upon environment. For more precise information, please contact your local administration. Electronical product which are not going through special collecting, are potentially dangerous for environment and human health, because of dangerous substance.

USA

Output voltage: Toy transformer

14,8 V ⎓ 2 x 14,8 VA (Carrera EVOLUTION)

lithium polymer rechargeable battery:
3,7 ⎓ 150mAh · 0,55 Wh

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4.) To switch off = power supply unit disconnected from mains supply

c UL us

Conforms to the safety requirements of ASTM F963.

Requirement for FCC Part 15

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encou-raged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to whichthe receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.

Warnings

Guidelines and warnings about using the LiPo battery/ batteries:
LiPo rechargeable batteries are much more sensitive than the traditional alkaline or NiMh rechargeables. For this reason all instructions and warnings must be scrupulously observed. Incorrect treatment of LiPo rechargeable batteries may cause a fire. In handling, charging and using the LiPo battery/batteries supplied, you take over all responsibility for the risks attached to lithium batteries.

• Non-rechargeable batteries must not be recharged!
For recharging batteries, only the charging cradle supplied may be used. If this instruction is disregarded, there is a risk of fire which may endanger your health and/or cause damage to property.
NEVER use any other charging unit!
• Rechargeable batteries may only be recharged under adult supervision. When charging, never leave the battery unattended.
When you recharge the battery, you should always be in the vicinity to keep watch on the process so that you can react to any possible problem.
• If the battery swells or deforms during either discharge or charging process, stop the process immediately. Remove the battery as fast and as carefully as possible and place it on a safe and open area away from any flammable materials, and keep it under observation for at least 15 minutes. If you continue to charge or discharge a battery which has already started to swell or deform, there is danger of fire! Even at the slightest sign of swelling or deforming, the battery must be taken out of service.
• The battery supplied must be charged in a safe place away from flammable materials.
• Store the battery at room temperature (16 - 18 °C) in a dry place. Do not expose the battery to direct sunlight or any other sources of heat. Temperatures over 50 °C are generally to be avoided.
• Always recharge the battery after use to avoid the possibility of its becoming deep discharged. When it is not in use, recharge the battery from time to time, say every 2-3 months. Failure to observe the methods of handling described above may lead to defects.
• When changing batteries do not use any sharp or pointed objects or tools. Avoid damaging the protective foil around the battery at all costs.
• When replacing defective batteries, only the recommended battery types may be used. Damaged or unusable batteries are hazardous waste, and must be disposed of accordingly.
• Never throw batteries, rechargeable or otherwise, on the fire or expose them to high temperatures. This may cause a fire or an explosion.
• The electrolyte and electrolyte vapour in the LiPo batteries are hazardous to health. Always avoid direct contact with electrolyte.
If electrolyte makes contact with skin, eyes or other parts of the body, it must immediately be washed out or off with plenty of fresh water and a doctor must be consulted.
• Rechargeable batteries are not toys and must not fall into the hands of children. Keep batteries inaccessible to children.
• The connector clips / battery connections must never be short-circuited!
• The toy is only to be operated with a transformer or power pack designed for use with toys!
• The transformer / the power pack is not a toy!

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